版本：1.0

通信接口板

Communication interface board

P-Link-CR

使用维护说明书

Operation and maintenance manual

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1. 产品概述(Product Overview)

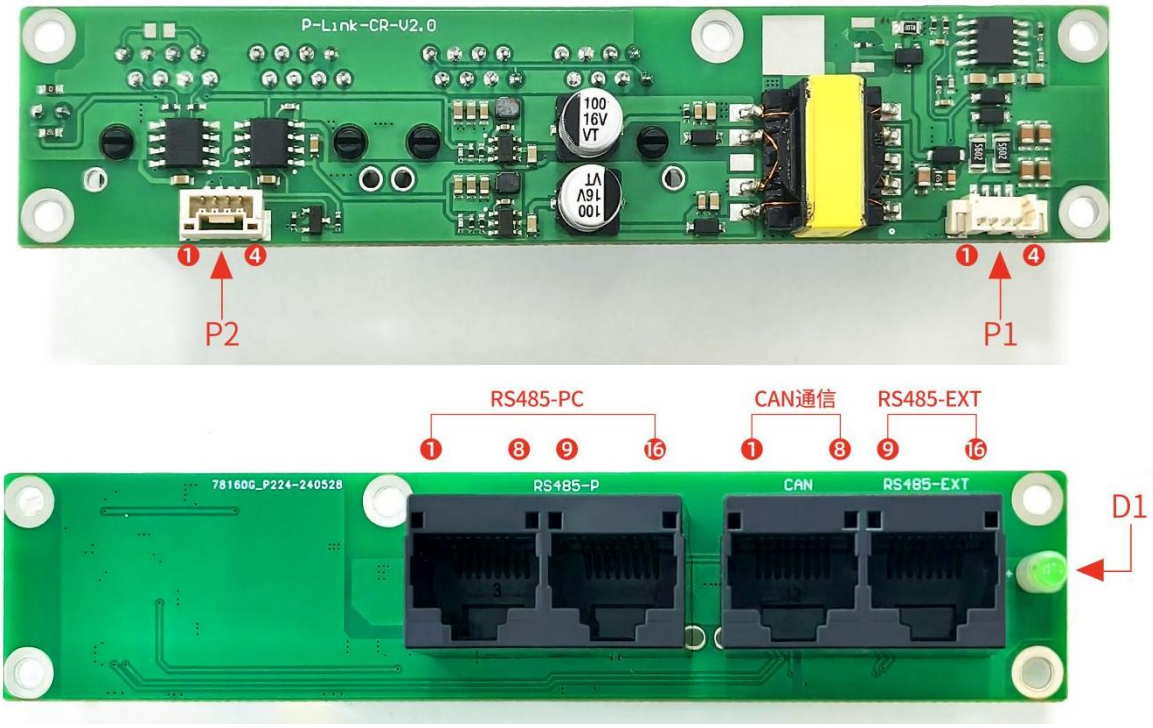
通信接口板主要为保护板并机功能提供通信拓展接口。

The communication interface board provides communication expansion interface for the parallel function of the protection board.

2. 接口定义(Interface definition)

2.1. 产品外形 (Product Appearance)

P-Link-CR外形示意图
Schematic diagram of P-Link-CR



P-Link-CR连接器示意图
P-Link-CR connector diagram

2.2. 连接器、LED 定义(Connector, LED definition)

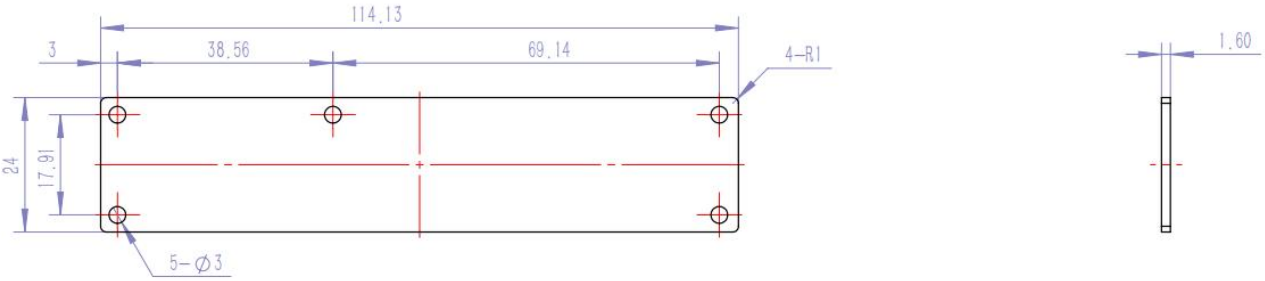
接口定义(Interface definition)

连接器(coupler)	接口名称(Interface name)	管脚号(Pin number)	P-Link-CR	
			名称（Name）	定义(definition)
P1	GPS 接口 (GPS interface)	1	VGPS	电源输出，电压与B+接近 (Power output, the voltage is close to B+)
		2	TX	GPRS_TX_G
		3	RX	GPRS_RX_G
		4	GND	电源/信号地 (Power/signal ground)
P2	通讯接口 (Communication interface)	1	RS485_PC_B	RS485信号负极(Negative terminal of RS485 signal)
		2	RS485_PC_A	RS485信号正极(RS485 signal positive terminal)
		3	CAN_H	CAN信号正极(CAN signal positive terminal)
		4	CAN_L	CAN信号负极(CAN signal negative terminal)
RS485-PC		1.8.9.16	RS485_PC_B	RS485信号负极(Negative terminal of RS485 signal)
		2.7.10.15	RS485_PC_A	RS485信号正极(RS485 signal positive terminal)
CAN		4	CAN_H	CAN信号正极(CAN signal positive terminal)
		5	CAN_L	CAN信号负极(CAN signal negative terminal)
RS485-EXT		16.9	RS485-EX-B	RS485-EX-B
		10.15	RS485-EX-A	RS485-EX-A
D1		电源指示灯，当设备激活后LED常亮，红色。 (Power indicator: When the device is activated, the LED is steady red.)		

2.3. 尺寸(Size)

P-Link-CR尺寸为 114.13mm×24mm×1.6mm，外形尺寸如下图所示。

The dimensions of P-Link-CR are 114.13mm×24mm×1.6mm, and the dimensions are shown in the figure below.



P-Link-CR外形尺寸图

Dimensions of P-Link-CR

2.4. 线缆图(Cable diagram)

标配线缆总长0.3米，如需加长可定制

The standard cable length is 0.3 meters, and can be customized if necessary

通信接口板CAN/RS485通信线:GH1.25-4P-4线转-GH1.25-4P反向-30cm

Communication interface board CAN/RS485 communication cable :GH1.25-4P-4 wire to -GH1.25-4P reverse -30cm

通信接口板GPS通信线:1.25-4P不带扣转1.25-4P不带扣/26AWG/反向/30cm

Communication interface board GPS communication cable :1.25-4P without buckle to 1.25-4P without buckle /26AWG/ reverse /30cm

2.5. 重量(Weight)

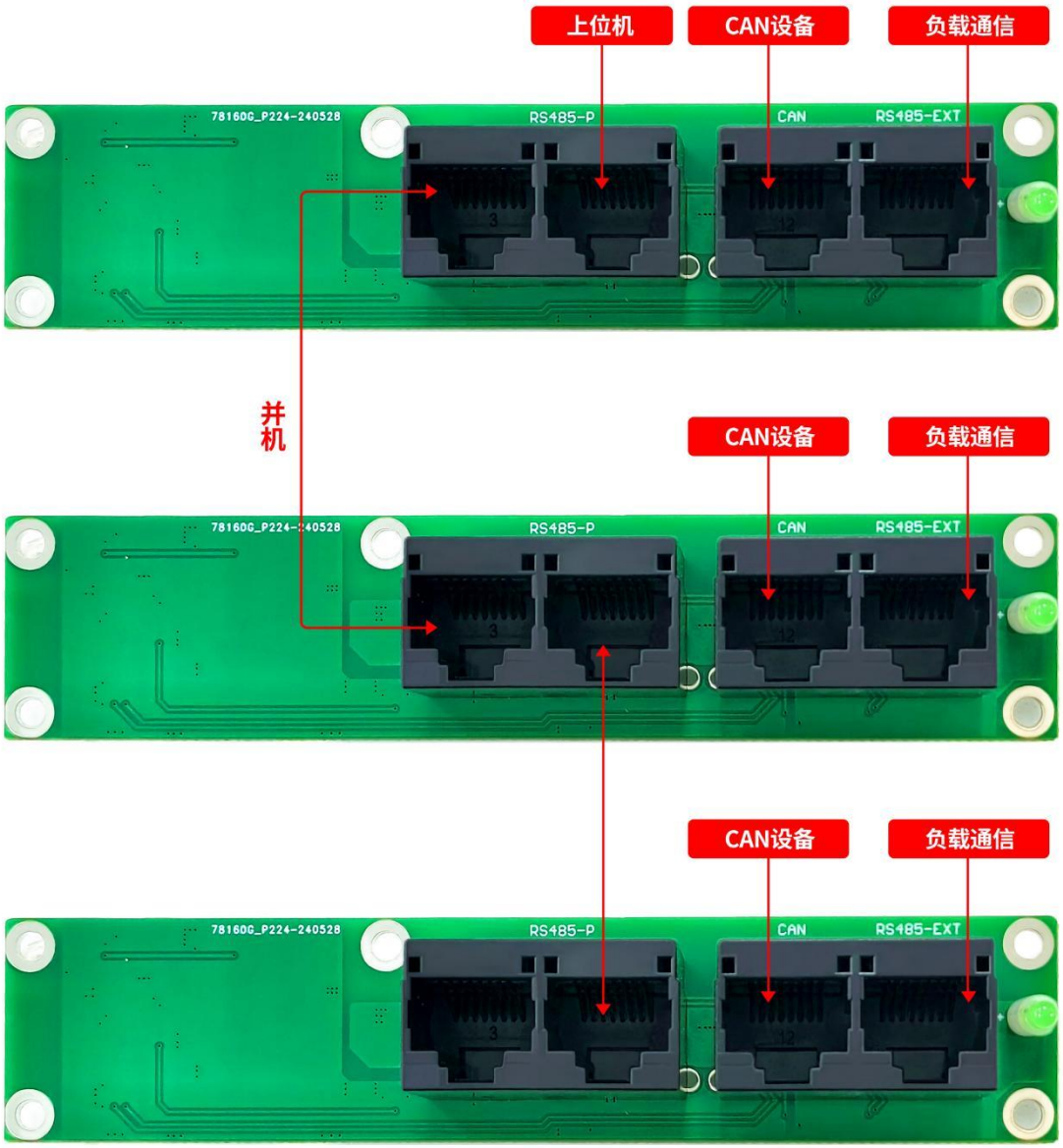
P-Link-CR模块重量约为32g。

P-Link-CR module weighs about 32g.

3. 安装方法 (Installation method)

P-Link-CR适用于锂电池保护板并机使用，具体接线方式如下图所示。

P-Link-CR is suitable for parallel use of lithium battery protection boards. The specific wiring method is shown in the following figure.



P-Link-CR接线图

P-Link-CR wiring diagram